

**B.Sc. (Hons.) IN OPTOMETRY AND  
OPHTHALMIC TECHNIQUES (BSCHOT)**

**Term-End Examination**

**June, 2009**

00268

**BOS-007 : VISUAL OPTICS**

*Time : 3 hours*

*Maximum Marks : 70*

- Note :**
- (i) *This question paper consists of two Parts A and B.*
  - (ii) *Part A contains 6 questions. Answer **any four** questions. Each questions carries **10** marks.*
  - (iii) *Part B contains 9 short notes. Answer **any six**. Each short note carries 5 marks.*

**PART-A**

Attempt **any four** questions. Each question carries 10 marks :

1. Define myopia. Describe the classification of myopia.
2. What is aphakia ? Describe the optics, causes and treatment of aphakia.
3. Define Visual Acuity. What do you understand by  $\frac{6}{6}$  and  $\frac{6}{36}$  ? List the methods of testing visual acuity in paediatric age group ?

4. What do you understand by the term 'Glare' ? Describe three types of glare. How will you correct it ?
5. What are Colour Vision Defects ? Explain the methods of testing colour vision.
6. What do you understand by convergence insufficiency ? Write causes, clinical features and treatment of Convergence insufficiency.

## PART-B

Write short notes on *any six* of the following. Each short note carries 5 marks :

7. (a) Management of Hypermetropia.
- (b) Conoid of Sturm.
- (c) Presbyopic correction.
- (d) Knapp's Law.
- (e) LogMAR charts.
- (f) Amplitude of convergence.
- (g) Duochrome Test.
- (h) Fogging Technique.
- (i) Neutralization of Retinoscopy reflex.

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